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Patent
Atty. Docket No. GEMS8081.228

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Hariharan et al.
Serial No. : 10/711,239
Filing Date : 9/3/2004
Title : METHOD AND APPARATUS OF MULTI-ECHO
MR DATA ACQUISITION WITH NON-
DISCRETE FLIP ANGLE TRAIN
Group Art No. : Unknown
Examining Attorney : Unknown

CERTIFICATION UNDER 37 CFR 1.8(a) and 1.10

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**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97/99**

Dear Sir:

In compliance with Applicant's duty of disclosure as set forth in 37 C.F.R. §1.56, listed on the attached equivalent to Form PTO-1449 are those patents, publications, and other

Inventor: Hariharan et al.

S/N: 10/711,239

information known to Applicant which may be considered material to the patentability of the claims of the above-captioned application. **One copy of each reference is attached.**

Applicant respectfully requests that the documents listed on the attached equivalent to Form PTO-1449 be considered by the Examiner, that the references be made of record in the present application, and that an initialed copy of the duplicate equivalent to Form PTO-1449 be returned to the undersigned in accordance with MPEP 609.

Respectfully submitted,

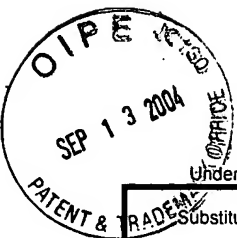


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Date: September 8, 2004
Atty. Docket No.: GEMS8081.228

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/711,239
				Filing Date	9/3/2004
				First Named Inventor	Hariharan et al.
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	of	1	Attorney Docket Number	GEMS8081.228

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
		DAVID C. ALSOP, The Sensitivity of Low Flip Angle RARE Imaging, Magnetic Resonance in Medicine, 1997, Page(s) 176-184, Volume 37, Number 0740-3194/97, Publisher: Williams & Wilkins, Published in: USA		
		JUERGEN HENNIG ET AL., Calculation of Flip Angles for Echo Trains with Predefined Amplitudes with the Extended Phase Graph (EPG)-Algorithm, Magnetic Resonance in Medicine, 2004, Page(s) 68-80, Volume 51, Publisher: Wiley InterScience (www.interscience.wiley.com), Published in: online		
		JOHN P. MUGLER III ET AL., T2-Weighted 3D Spin-Echo Train Imaging of the Brain at 3 Tesla: Reduced Power Deposition Using Low Flip-Angle Refocusing, Proc. Intl. Soc. Mag. Reson. Med, 2001, Page(s) 438, Volume 9, Published in: USA		

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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